

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows.

1. — 22. (Cancelled)

23. (Currently Amended) A method for communicating between threads, comprising:

invoking a first thread;

associating a first input stream and a first output stream with the first thread;

invoking a second thread;

associating a second input stream and a second output stream with the second thread;

[[and]]

invoking a stream operator to write a first data value from the first thread to the second thread, wherein the stream operator connects the first output stream to the second input stream and sends the first data value from the first output stream to the second input stream;

using the second thread to generate a second data value by performing an operation on the first data value; and

invoking the stream operator to write the second data value from the second thread to the first thread, wherein the stream operator connects the second output stream to the first input stream and sends the second data value from the second output stream to the first input stream.

~~writing a first data value from the first thread to the second thread using the first output stream and the second input stream;~~

wherein at least one selected from the group consisting of the first thread and the second thread manages an operating system process and comprises:

a program counter;

a stack;

a state; and

a register set.

24. (Cancelled)

25. (Cancelled)

26. (Previously Presented) The method of claim 23, wherein the second thread is a child thread of the first thread.
27. (Previously Presented) The method of claim 23, wherein at least one selected from the group consisting of the first input stream, the first output stream, the second input stream, and the second output stream is a standard stream.
28. (Previously Presented) The method of claim 27, wherein the standard stream is directly built into a dynamically typed programming language.
29. (Previously Presented) The method of claim 23, further comprising:
associating a first error stream with the first thread.
30. (Currently Amended) A computer readable medium storing instructions for communicating between threads, the instructions comprising functionality to:
invoke a first thread;
associate a first input stream and a first output stream with the first thread;
invoke a second thread;
associate a second input stream and a second output stream with the second thread;
[[and]]
~~write a first data value from the first thread to the second thread using the first output stream and the second input stream~~
invoke a stream operator to write a first data value from the first thread to the second thread, wherein the stream operator connects the first output stream to the second input stream and wherein the stream operator sends the first data value from the first output stream to the second input stream;
use the second thread to generate a second data value by performing an operation on the first data value; and
invoke the stream operator to write the second data value from the second thread to the first thread, wherein the stream operator connects the second output stream to the first input stream and writes the data value from the second output stream to the first input stream.

wherein at least one selected from the group consisting of the first thread and the second thread manages an operating system process and comprises:

- a program counter;
- a stack;
- a state; and
- a register set.

31. (Cancelled)

32. (Cancelled)

33. (Previously Presented) The computer readable medium of claim 30, wherein the second thread is a child thread of the first thread.

34. (Previously Presented) The computer readable medium of claim 30, wherein at least one selected from the group consisting of the first input stream, the first output stream, the second input stream, and the second output stream is a standard stream.

35. (Previously Presented) The computer readable medium of claim 34, wherein the standard stream is directly built into a dynamically typed programming language.

36. (Previously Presented) The computer readable medium of claim 30, wherein instructions further comprising functionality to:
associate a first error stream with the first thread.

37. (Previously Presented) The method of claim 23, wherein the first thread and the second thread are associated with a single process.

38. (Previously Presented) The computer readable medium of claim 30, wherein the first thread and the second thread are associated with a single process.

39. (New) The computer readable medium of claim 30, wherein the stream operator is a symbol.

40. (New) The method of claim 23, wherein the stream operator is a symbol.